

Amendment After Allowance under 37 CFR 1.312

Date filed **January 28, 2009**

U.S. Patent Application Serial No. **10/730,013**

AMENDMENTS TO THE CLAIMS:

Please add new claims 14-19. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Previously presented): A solid oxide fuel cell comprising at least one first single cell having an electrolyte, a fuel electrode, and an air electrode;

wherein the fuel cell is provided with a substrate that supports the first single cell;

the electrolyte is disposed on a first surface of the substrate, and the fuel electrode and the air electrode are disposed on the first surface of the substrate so as to sandwich the electrolyte in a side-by-side configuration on the first surface of the substrate;

a first side of the electrolyte contacts one side of the fuel electrode, a second side of the electrolyte contacts the first surface of the substrate, a third side of the electrolyte contacts one side of the air electrode, and a fourth side of the electrolyte opposed to the second side of the electrolyte,

wherein said electrolyte has only a first, second, third and fourth side.

Claim 2 (Previously presented): A solid oxide fuel cell comprising at least one first single cell having an electrolyte, a fuel electrode, and an air electrode;

wherein the fuel cell is provided with a substrate that supports the first single cell;

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the electrolyte is disposed on a first surface of the substrate, and the fuel electrode and the air electrode are disposed on the first surface of the substrate so as to sandwich the electrolyte; and

the heights of both the fuel electrode and the air electrode, as measured from the first surface of the substrate, are greater than a height of the electrolyte, as measured from the surface of the substrate.

Claim 3 (Previously presented): The solid oxide fuel cell according to Claim 2, wherein the fuel electrode and the air electrode are laminated in such a manner that they are separated from each other partially on top of the electrolyte.

Claim 4 (Previously presented): The solid oxide fuel cell according to Claim 1, which further comprises at least one second single cell disposed on a second surface of the substrate and has an electrolyte, a fuel electrode and an air electrode;

wherein in the second single cell having the electrolyte disposed on the second surface of the substrate, the fuel electrode and the air electrode sandwich the electrolyte.

Claim 5 (Previously presented): The solid oxide fuel cell according to Claim 1, wherein a plurality of single cells are disposed on the substrate, and these first single cells are connected by an interconnector.

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Claim 6 (Previously presented): The solid oxide fuel cell according to Claim 1, wherein the width of the electrolyte in the direction sandwiched between the fuel electrode and the air electrode is 10-500 μm .

Claim 7 (Previously presented): A solid oxide fuel cell comprising at least one first single cell having an electrolyte, a fuel electrode, and an air electrode;

wherein the fuel cell is provided with a substrate that supports the first single cell;

the electrolyte is disposed on a first surface of the substrate, and one of the fuel electrode and the air electrode is disposed on the electrolyte, and

the other of the fuel electrode and the air electrode is not in contact with the electrode disposed on the electrolyte and has at least one portion that is disposed on said first surface of the substrate and is in contact with the electrolyte; and

a first side of the electrolyte contacts the other electrode in a side-by-side configuration on the first surface of the substrate, a second side of the electrolyte contacts the first surface of the substrate, a third side of the electrolyte contacts one side of the electrode disposed on the electrolyte, and a fourth side of the electrolyte opposed to the first side of the electrolyte,

wherein said electrolyte has only a first, second, third and fourth side.

Claim 8 (Previously presented): The solid oxide fuel cell according to Claim 7, wherein the other electrode is disposed on said first surface of the substrate adjacent to the electrolyte; and

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the thickness of the electrolyte is greater than that of the other electrode.

Claim 9 (Previously presented): The solid oxide fuel cell according to Claim 7, wherein a plurality of the first single cells are disposed on the substrate, and the plurality of first single cells are connected to each other by an interconnector.

Claim 10 (Previously presented): The solid oxide fuel cell according to Claim 7, wherein the electrolyte, fuel electrode and air electrode are formed by a printing method.

Claim 11 (Previously presented): The solid oxide fuel cell according to Claim 7, which further comprises at least one second single cell having an electrolyte, a fuel electrode, and an air electrode being disposed on a second surface of the substrate;

wherein in the second single cell having the electrolyte disposed on the second surface of the substrate, one of the fuel electrode and air electrode is disposed on the electrolyte, and the other electrode is not in contact with the electrode disposed on the electrolyte and has at least one portion that is disposed on the second surface of the substrate and in contact with the electrolyte.

Claim 12 (Previously presented): The solid oxide fuel cell according to Claim 7, wherein the heights of the other electrode, as measured from the first surface of the substrate, are greater than a height of the electrolyte, as measured from the surface of the substrate.

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Claim 13 (Previously presented): The solid oxide fuel cell according to Claim 12, wherein a part of the other electrode is disposed on the top of the electrolyte.

Claim 14 (New): The solid oxide fuel cell according to Claim 1, wherein the electrolyte, fuel electrode and air electrode are formed by a printing method.

Claim 15 (New): The solid oxide fuel cell according to Claim 2, wherein a plurality of single cells are disposed on the substrate, and these first single cells are connected by an interconnector.

Claim 16 (New): The solid oxide fuel cell according to Claim 2, wherein the width of the electrolyte in the direction sandwiched between the fuel electrode and the air electrode is 10-500 μm .

Claim 17 (New): The solid oxide fuel cell according to Claim 2, wherein the electrolyte, fuel electrode and air electrode are formed by a printing method.

Claim 18 (New): The solid oxide fuel cell according to Claim 2, which further comprises at least one second single cell disposed on a second surface of the substrate and has an electrolyte, a fuel electrode and an air electrode;

wherein in the second single cell having the electrolyte disposed on the second surface of the substrate, the fuel electrode and the air electrode sandwich the electrolyte.

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Claim 19 (New): The solid oxide fuel cell according to Claim 7, wherein the width of the electrolyte in the direction sandwiched between the fuel electrode and the air electrode is 10-500 μm .